

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A DNA molecule encoding an allergen having the properties of Lol p 4, corresponding to a nucleotide sequence selected from one of the sequences in accordance with SEQ ID NO 1 and 3.
2. (Original) A DNA molecule which hybridises with a DNA molecule according to Claim 1 under stringent conditions and originates from DNA sequences from *Poaceae* species.
3. (Original) A DNA molecule, encoding a polypeptide, which cross-reacts immunologically with the major allergen Lol p 4 from *Lolium perenne* and originates from DNA sequences from *Poaceae* species.
4. (Currently Amended) A DNA molecule, corresponding to a partial sequence or a combination of partial sequences according to ~~one or more of Claims 1 to 3~~ Claim 1, which encodes an immunomodulatory, T-cell-reactive fragment of a group 4 allergen from the *Poaceae*.
5. (Currently Amended) A DNA molecule, corresponding to a nucleotide sequence according to ~~one or more of Claims 1 to 4~~ Claim 1, encoding an immunomodulatory T-cell-reactive fragment, characterised in that said nucleotide sequence has been specifically modified by specific mutation of individual codons, elimination or addition.
6. (Original) A DNA molecule according to Claim 5, characterised in that the said mutation results in the replacement of one, a plurality of or all cysteines of the corresponding polypeptide with another amino acid.
7. (Currently Amended) A recombinant DNA expression vector or a cloning system

comprising a DNA molecule according to ~~one or more of Claims 1 to 6~~ Claim 1, functionally linked to an expression control sequence.

8. (Currently Amended) A host organism transformed with a DNA molecule according to ~~one or more of Claims 1 to 6~~ Claim 1 or an expression vector ~~according to Claim 7~~ comprising it.
9. (Currently Amended) A process for the preparation of a polypeptide encoded by a DNA sequence according to ~~one or more of Claims 1 to 6~~ Claim 1 by cultivation of a host organism ~~according to Claim 8~~ and isolation of the corresponding polypeptide from the culture.
10. (Currently Amended) A polypeptide which is encoded by a DNA sequence according to ~~one or more of Claims 1 to 6~~ Claim 1.
11. (Original) A polypeptide according to Claim 10 as medicament.
12. (Original) A pharmaceutical composition comprising at least one polypeptide according to Claim 11 and optionally further active ingredients and/or adjuvants for the diagnosis and/or treatment of allergies in the triggering of which group 4 allergens from the *Poaceae* are involved.
13. (Original) Use of at least one polypeptide according to Claim 11 for the preparation of a medicament for the diagnosis and/or treatment of allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.
14. (Currently Amended) A DNA molecule according to ~~one or more of Claims 1 to 6~~ Claim 1 as medicament.

15. (Original) A recombinant expression vector according to Claim 7 as medicament.
16. (Currently Amended) A pharmaceutical composition comprising at least one DNA molecule according to Claim 14 or at least one expression vector ~~according to Claim 15~~ comprising it and optionally further active ingredients and/or adjuvants for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.
17. (Currently Amended) Use of at least one DNA molecule according to Claim 14 or at least one expression vector ~~according to Claim 15~~ comprising it for the immunotherapeutic DNA vaccination of patients with allergies in the triggering of which group 4 allergens from the *Poaceae* are involved and/or for the prevention of such allergies.